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National Phase filing in the U.S. of PCT/FR2005/00838 transmittal letter  
in duplicate; Copy of the PCT Application as filed including 61-pg  
English specification (incl. claims & Abstract); 3-pg signed Declaration & ←  
→ Power of Atty.; 2-page Assignment doc with 2-pg Recordation Form;  
Required PCT papers; Authorization to charge fees to Deposit Account;  
Certificate of Express Mailing w/label no. EV570883434US

Re: LYOUSSIN, et al MM6026PCT - Filed: Concurrently Herewith  
DUE: October 6, 2006 - MAILED: Sept. 28, 2006 - CUST. # 01109

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**1AP6 Rec'd PCT/PTO 28 SEP 2006**

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Abdallah LYOUSSI, and Emmanuel PAYAN

Docket No.

MM6026PCT

Application No.

Filing Date  
Concurrently Herewith

Examiner

Customer No.  
01109

Group Art Unit

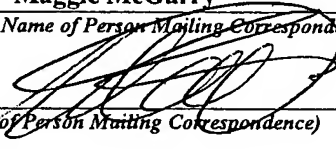
Invention: **METHOD AND SYSTEM FOR DETERMINING THE DENSITY AND DIMENSIONAL CHARACTERISTICS OF AN OBJECT AND APPLICATION TO CHECKING OF NUCLEAR FUEL PELLETS DURING MANUFACTURING**

I hereby certify that the following correspondence:

National Phase filing in the U.S. of PCT/FR2005/00838 transmittal letter in duplicate; Copy of the PCT Application as filed including 61-pg English specification (incl. claims & Abstract); 3-pg signed Declaration & Power of Atty.; 2-page Assignment doc with 2-pg Recordation Form; Required PCT papers; Authorization to charge fees to Deposit Account; Certificate of Express Mailing; Return receipt postcard

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

September 28, 2006*(Date)*Maggie McGarry*(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)*September 28, 2006*("Express Mail" Mailing Label Number)*

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**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371****ATTORNEY'S DOCKET NUMBER  
MM6026PCT**U.S. APPLICATION NO. (If known,  
see 37 CFR 1.5)INTERNATIONAL APPLICATION NO.  
**PCT/FR2005/00838**INTERNATIONAL FILING DATE  
**April 6, 2005**PRIORITY DATE CLAIMED  
**April 6, 2004****TITLE OF INVENTION****METHOD AND SYSTEM FOR DETERMINING THE DENSITY AND DIMENSIONAL CHARACTERISTICS OF AN OBJECT AND  
APPLICATION TO CHECKING OF NUCLEAR FUEL PELLETS DURING MANUFACTURING**APPLICANT(S) FOR DO/EO/US: **Abdallah LYOUSSI and Emmanuel PAYAN, both citizens of France**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3))
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4))
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5))

**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 – 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: **CERTIFICATE OF EXPRESS MAILING ON SEPARATE SHEET with Label No. EV570883434US**